



*Date of Application, 22nd June, 1891—Accepted, 25th July, 1891*

### COMPLETE SPECIFICATION.

#### Improvements in Height Measuring Apparatus.

I, EMMANUEL GEORGES FROMAGE, of Darnetal, (Seine Inférieure) in the Republic of France, Manufacturer, do hereby declare the nature of this invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 My invention relates to apparatus for measuring the height of children.

The advantages to parents and others are well known of being frequently informed as to the physical condition of their children. By measuring their height and by weighing them from time to time they are enabled to closely watch their development and thus prevent many illnesses resulting from a too  
10 rapid and debilitating growth.

The object of my invention is to provide an apparatus to meet this requirement.

Apparatuses have heretofore been used for measuring the height of persons entering the army or of criminals and others when making a record of their physical description, but these apparatuses are cumbersome and cannot be con-  
15 veniently employed by parents desiring to ascertain the height of their children.

In the accompanying drawing,

Figure 1 is a front elevation of one form of my improved apparatus :

Figure 2 is a side or edge view ; and,

Figure 3 is a horizontal section of the same :

20 Figure 4 is a side or edge view of the apparatus when folded up :

Figure 5 is a detached side elevation of the sliding index hereinafter described ;  
and,

Figure 6 is a plan of the same both figures being drawn to an enlarged scale :

Figure 7 is a perspective view of another form of my improved apparatus ; and,

25 Figure 8 is a detached side elevation of the index to be used therewith.

The apparatus illustrated in Figures 1 to 6 comprises two long strips A. B. hinged together at *o*. A longitudinal groove *a* is made in the said strips, and in the sides of these grooves are made other grooves *b, b*. The grooves *a* and *b* serve as guides for a rectangular sliding index C, provided with two studs *c, c* which can  
30 pass through notches *d, d* at the upper part of the apparatus ; these studs fit and work in the lateral grooves *b, b*. The index is by this means properly guided and moves perpendicularly to the face of the apparatus.

To cause the index to remain in any position to which it may be moved, I provide the back of the index with a spring *r*, Figures 5 and 6, which presses on  
35 the bottom of the groove *a*.

The apparatus illustrated in Figures 7 and 8 is a folding height-measure composed of several pieces hinged together as shewn in the perspective view at Figure 7. I use in combination with this height-measuring apparatus an index such as that shewn in Figure 8.

40 My apparatuses can be made of any suitable material such as paper, cardboard, wood, pasteboard, leather, or metal.

They are divided into centimeters at the right and left hand sides of the central groove which serves to guide the index. The other columns serve for the inscription of names, dates and various other information.

45 Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is :—

The improved height measuring apparatuses serving to allow of drawing up a

[ *Price 6d.* ]

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*Fromage's Improvements in Height Measuring Apparatus.*

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comparative plan of the development of children, substantially as hereinbefore described and illustrated in the accompanying drawing.

Dated the 22nd day of June 1891.

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4, South Street, Finsbury, London, Agents for the Applicant. 5

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FIG. 1.

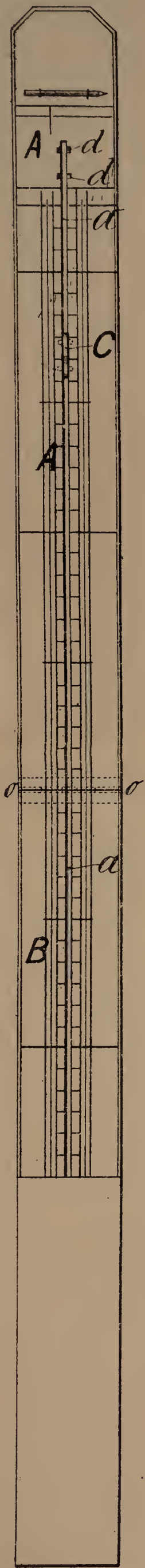


FIG. 3.

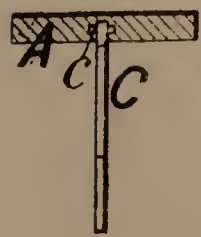


FIG. 2.

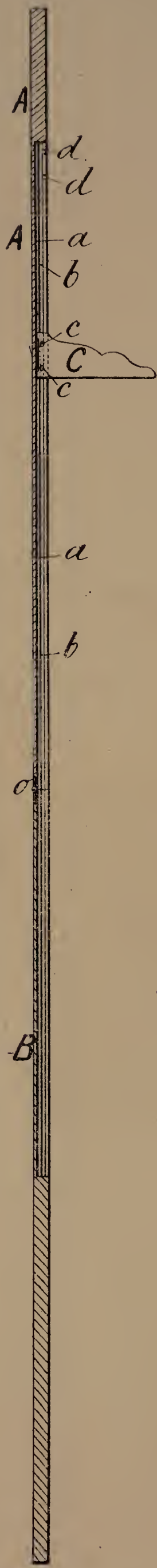


FIG. 4.



FIG. 5.

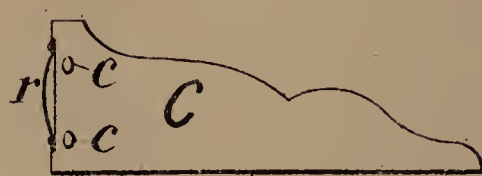


FIG. 6.

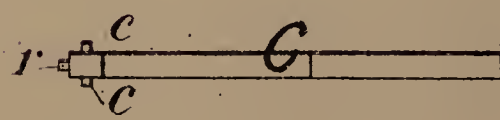


FIG. 8.



FIG. 7.

